California Energy Commission

JOB OPPORTUNITY BULLETIN

CLASSIFICATION: **Mechanical Engineer**

TENURE : Limited Term – 18 Months - *(May become permanent)*

TIME BASE: Full Time

SALARY: Range A - $4,608 - $5,494
Range B - $5,276 - $6,601
Range C - $6,103 - $7,635
Range D - $6,897 - $8,630

LOCATION: Energy Assessments Division, Demand Analysis Office
Sacramento

FINAL FILING DATE: UNTIL FILLED

JOB DESCRIPTION: **Position may become permanent** The Energy Assessments Division (EAD) consists of a multi-disciplinary staff of economists, engineers, scientists, and programmers, responsible for developing methodologies, models, and data for analyzing energy supply and demand.

The Energy Commission's Demand Analysis Office seeks staff for a new unit dedicated to the development of ongoing statewide energy data collection. Professionals with a passion for energy data, data analytics, and research and who are motivated to collaborate, develop, and improve a new process should apply. Come develop a collaborative group of analytical professionals focused on supporting the development of energy policy for the next decade and who are dedicated to improving the Energy Commissions understanding of statewide energy consumption. If you enjoy working with data, exploring new analytical methods, have excellent organizational skills, and enjoy working collaboratively on important energy topics, we encourage you to apply.

The Mechanical Engineer is under the direction and supervision of the Energy Commission Supervisor II (FO) in the Data Analysis and Survey Unit of the Demand Analysis Office. The incumbent has a high level of knowledge, motivation, skill, and ability that is at the journey level and will utilize mechanical engineering knowledge and expertise in working with the data collection project manager to perform data collection, survey design, and survey monitoring including development and implementation of commercial and industrial data collection, contract management, and responding to data requests.

As the sole engineer in the unit, the incumbent will perform detailed energy consumption engineering analyses, design and validate mechanical system data collection methodologies, assist with the development of building envelope characterization for a wide variety of commercial and industrial sectors and building types, and identify opportunities to improve the characterization of mechanical system energy consumption. The incumbent will be relied upon to ensure survey and broader data collection efforts meet the needs of the commercial and industrial end-use forecasting models which will involve evaluating characterizing the energy consumption of electricity and natural gas in industrial and commercial buildings. The incumbent will need to evaluate building design and layout and the implication on heating, cooling, and process related energy consumption. As the survey efforts will focus on statewide energy characterization end-uses will include pumps, piping, refrigeration, pressure tanks, steam generation, heat transfer, and other building construction and appliance elements.

(over)

DUTIES/RESPONSIBILITIES include but are not limited to:

- Independently conduct engineering analysis of mechanical systems, oversee the development of survey methodologies to characterize energy consumption of commercial and industrial sectors including motors, heating, ventilating, air-conditioning, refrigeration, plumbing, pumping, water supply and steam generating plants.

- Plan and design new data collection procedures and ensure the data is collected in the most efficient manner, leveraging technologies and evaluating new methodologies and collaborative opportunities for data collection.

- Work with other data collection staff on data collection governance and oversight activities including determining the source of commercial and industrial data issues and design specific corrective actions to improve data quality and characteristics.

- Assist with data governance activities including: designing metrics, identification, tracking, and prioritization of commercial and industrial system data quality issues.

DESIRABLE EXPERIENCE/QUALIFICATIONS: The successful applicant should have:

- Excellent interpersonal, collaborative, and leadership skills.
- Successfully work within a larger team environment.
- Ability to communicate complicated information in a simple, consumer friendly manner.
- Ability to effectively write and edit technical program information.

WHO MAY APPLY: Eligible candidates who are current state employees with status in the above classification, lateral transfers from an equivalent class who meet the minimum qualifications of this classification, former state employees who can reinstate into this class or persons who are reachable on a current employment list for this classification. Appointment is subject to the provisions of the SROA process: SROA/SURPLUS/ REEMPLOYMENT candidates are encouraged to apply and must attach a copy of their status letter in order to be considered. Applications will be screened and the most qualified may be contacted for an interview.

Interested applicants must submit a completed Standard State Application (Form STD. 678) with an original signature, to the contact/address listed below. Electronic applications will not be accepted. **You must clearly indicate the basis of your eligibility (i.e., list, transfer, SROA/Surplus, reinstatement, etc.), RPA #820-276 and Position #820-3583-001 in the "Explanation Section" of the STD. 678.**

Please Note: *Possession of the minimum qualifications will be verified prior to the interview and/or appointment. If it is determined an applicant does not meet the minimum qualifications, the application may be forwarded to the State Personnel Board for review and the applicant's name may be removed from the eligibility list.*

SUBMIT APPLICATIONS TO:
California Energy Commission
Attn: RPA 820-276
1516 9th Street, MS-3
Sacramento, CA 95814

View full Duty Statement:
http://www.energy.ca.gov/careers/jobs.html

For additional questions regarding this recruitment, you may contact (916) 654-4309 or email personnelservices@energy.ca.gov.

California Relay (Telephone) Service – TDD Phones: 1-800-735-2929 and Voice Phones: 1-800-735-2922